



SCIENCE AND TECHNOLOGY COUNCIL

TAKNEEK '18

ON THE SHOULDERS OF GIANTS



Electrowiz

Points: 40

Event: Team Event (Max 2 teams per pool).

Team structure: Three to Four members with at least one Y18.

Problem Statement

- It is an on the spot event where you will be tested on your hands-on circuiting skills and overall Knowledge in electronics and embedded programming.
- First round will consist of a written test (short answer type). Each team will be given a single test paper to be solved jointly. (30 Minutes).
- In second round every team will be given with a set of problems ranging from various domains in Practical electronics which they have to implement practically within a certain time limit (90 Minutes).

Rules and Regulations

- All the participants must adhere to the rules and etiquettes of Electronics Club, failing to which will result in disqualification of the pool in the event.
- Only two teams consisting of three members, per pool are allowed to participate.
- Each team must have at least one participant from Y18. No two teams are allowed to interact with each other even if they are from the same pool.
- All the required tools and components will be provided by the club and no team is allowed to bring their own in the event.
- You are advised to bring at least one laptop per team to develop and compile codes for the hardware.
- A five minutes internet access (no downloading) slot will be given to each team to look out for any reference they require.
- The team must inform the event coordinator before utilizing their slot.
- No access will be given afterwards and any team found using the internet will be disqualified.
- Any damage to the components will be beared by the pool and the team will be disqualified.
- In case of a tie, a tie breaker round will be conducted to decide the position.

Resources

Written Test: Basic IC's, Combinatorial and Sequential Circuits etc. **Hardware:** Arduino, Basic digital IC's, Soldering and Breadboarding skill etc. **Software:** Arduino IDE, Processing IDE.

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